

1. (Amended) An electrode structure for a display device comprising:
a plurality of first electrodes disposed over a backplate, said plurality of first electrodes further comprising a metal alloy;
a dielectric layer disposed over said plurality of first electrodes; and
a plurality of second electrodes, said plurality of second electrodes disposed over said dielectric layer, said plurality of second electrodes further comprising said metal alloy, wherein said plurality of first electrodes further comprise a cladding layer disposed over said metal alloy.
2. (Unchanged) An electrode structure for a display as recited in Claim 1 wherein said plurality of first electrodes are row electrodes and said plurality of second electrodes are column electrodes.
3. (Unchanged) An electrode structure for a display as recited in Claim 1 wherein said plurality of first electrodes are column electrodes and said plurality of second electrodes are row electrodes.
4. (Unchanged) An electrode structure for a display as recited in Claim 1 wherein said metal alloy comprises an aluminum alloy.
5. (Unchanged) An electrode structure for a display as recited in Claim 4 wherein said aluminum alloy comprises aluminum and neodymium.

6. (Unchanged) An electrode structure for a display as recited in Claim 5 wherein said aluminum alloy comprises from approximately .5 atomic percent neodymium to approximately 6 atomic percent neodymium.

7. (Unchanged) An electrode structure for a display as recited in Claim 5 wherein said aluminum alloy further comprises titanium.

8. (Unchanged) An electrode structure for a display as recited in Claim 7 wherein said aluminum alloy comprises up to approximately 5 atomic percent titanium.

10. (Unchanged) An electrode structure for a display as recited in Claim 9 wherein said cladding layer comprises molybdenum and tungsten.

11. (Unchanged) An electrode structure for a display as recited in Claim 1 wherein said metal alloy comprises a silver alloy.

12. (Unchanged) An electrode structure for a display as recited in Claim 11 wherein said silver alloy comprises silver and palladium.

13. (Unchanged) An electrode structure for a display as recited in Claim 12 wherein said silver alloy comprises from approximately .5 atomic percent palladium to approximately 2 atomic percent palladium.

14. (Unchanged) An electrode structure for a display as recited in Claim 12 wherein said silver alloy further comprises copper.

15. (Unchanged) An electrode structure for a display as recited in Claim 14 wherein said silver alloy comprises from approximately .5 atomic percent copper to approximately 2 atomic percent copper.

16. (Unchanged) An electrode structure for a display as recited in Claim 12 wherein said silver alloy further comprises titanium.

17. (Unchanged) An electrode structure for a display as recited in Claim 16 wherein said silver alloy comprises up to approximately 2 atomic percent titanium.

18. (Unchanged) An electrode structure for a display as recited in Claim 1 further comprising:
a passivation layer disposed over said plurality of second electrodes.

19. (Unchanged) An electrode structure for a display as recited in Claim 18 wherein said passivation layer comprises silicon nitride.

20. (Unchanged) An electrode structure for a display as recited in Claim 1 further comprising a resistor layer overlying said plurality of first electrodes, said dielectric layer overlying said resistor layer.

54. (Unchanged) An electrode structure for a display device comprising:
a) a plurality of first electrodes;
b) a resistor layer disposed over said plurality of first electrodes;
c) a dielectric layer disposed over said resistor layer;
d) a plurality of second electrodes disposed over said dielectric layer; and

e) a passivation layer disposed over said plurality of second electrodes.

55. (Unchanged) An electrode structure for a display as recited in claim 54 wherein said passivation layer comprises a layer of silicon nitride.

56. (Unchanged) An electrode structure for a display as recited in claim 55 further comprising:

f) a gate structure, said gate structure disposed over said layer of silicon nitride.

57. (Unchanged) An electrode structure for a display as recited in claim 55 further comprising:

f) a gate structure, said gate structure disposed between said plurality of second electrodes and said layer of silicon nitride.

58. (Unchanged) An electrode structure for a display as recited in claim 55 further comprising:

f) a gate structure, said gate structure disposed between said dielectric layer and said plurality of second electrodes.

59. (Unchanged) An electrode structure for a display as recited in claim 58 further comprising:

g) a tantalum structure, said tantalum structure disposed between said gate structure and said plurality of second electrodes.

60. (Unchanged) An electrode structure for a display as recited in claim 55 further comprising:

g) a dielectric layer disposed between said plurality of second electrodes and said layer of silicon nitride.

67. (Unchanged) An electrode structure for a display device comprising:

- a) a plurality of first electrodes;
- b) a resistor layer disposed over said plurality of first electrodes;
- c) a first dielectric layer disposed over said resistor layer;
- d) a plurality of second electrodes disposed over said dielectric layer; and
- e) a second dielectric layer disposed over said plurality of second electrodes.

68. (Amended) An electrode structure for a display as recited in claim 67 wherein said first dielectric layer comprises a layer of silicon dioxide.

69. (Amended) An electrode structure for a display as recited in claim 68 further comprising:

- f) an evaporated molybdenum layer disposed between a sputtered molybdenum layer and said second dielectric layer.
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